

BRANSON

## Ultrasonic Vapor Degreaser



*The small but powerful Branson B252R Vapor Degreaser integrates state-of-the-art controls with maintenance practicality in an ultrasonic vapor degreaser.*

## Model B252R Portable Ultrasonic Degreaser

### OVERVIEW

The Branson B252R Ultrasonic Vapor Degreaser is one of a series of environmentally sound, cost effective precision degreasers. This small but powerful unit integrates state-of-the-art controls with maintenance practicality in an ultrasonic vapor degreaser. It incorporates all of the important environmental and safety features typically found in larger units. All controls are clustered on a compact front-mounted digital control panel. The B252R features an offset boiling chamber to reducing the solvent/air interface reducing solvent emissions and footprint. It is ideal for use with most solvents including HCFC, HFC, HFE, n-propyl bromide, AK-225, and more. With a 4.8 gallon solvent capacity, the compact B252R is ideal for use at individual production work stations or as a tool to develop processes for larger equipment.

### ENVIRONMENTAL FEATURES

The B252R is designed to comply with EPA environmental regulations on solvent emissions, an important environmental and economic consideration. Some of these features also facilitate

OSHA compliance. The unit includes, as standard, a number of engineered improvements designed specifically to minimize solvent losses. The following list details some of these more important features:

- Freeboard ratio of 100% to minimize diffusion losses due to drafts
- Peripheral refrigerated condensing coil to efficiently condense solvent vapors minimizing emissions
- Captured sliding cover to eliminate drafts and help seal the unit during periods of inactivity
- Offset boiling chamber to reduce solvent air interface to below 1 ft<sup>2</sup>
- Recirculating pump and cartridge filter to remove particulate and extend solvent life

### SAFETY FEATURES

In addition to the benefits associated with keeping solvent away from the operator, the B252R has many other features which contribute to safety and reliability. Key among these are:

- Low voltage controls for operator safety



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- "Ready" light to assure the unit is set to run
- High vapor level sensor to prevent solvent boil off
- Low solvent sensor to prevent heater damage
- Boil sump temperature indicator
- Early warning contamination indicator to signal the need for solvent replacement

## MAINTENANCE

All maintenance procedures can be performed from the front or top of the unit. All services also enter conveniently from the front.

## STANDARD FEATURES

- 24 Volt controls for safety
- Digital temperature readouts
- 40 kHz industrial ultrasonics
- 304 Stainless steel construction
- Full peripheral cooling coil
- One year warranty

## OPTIONS

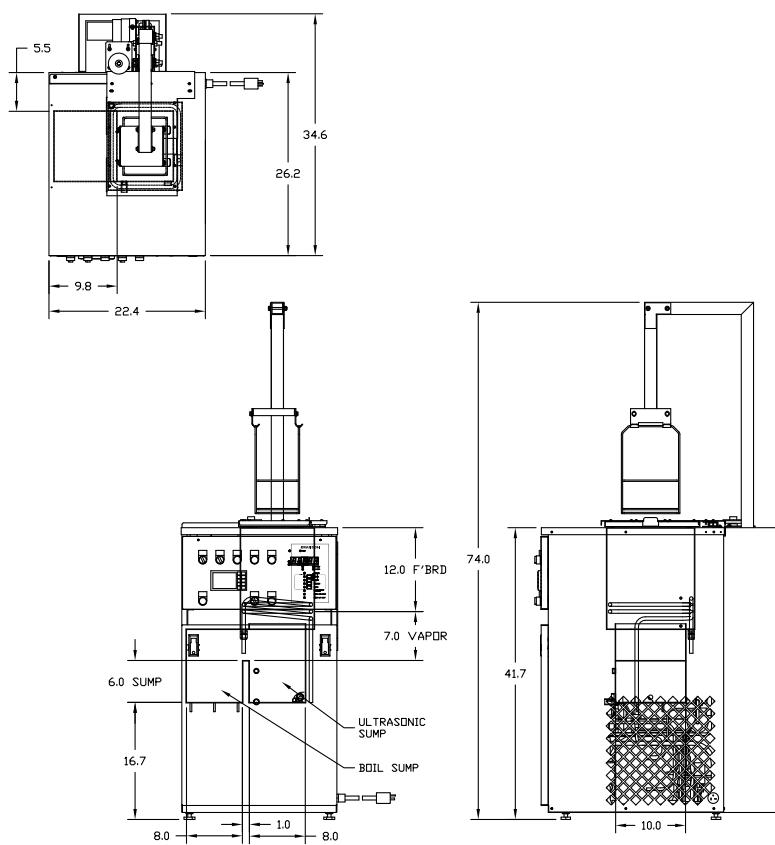
- Desiccant dryer kit for azeotropic solvents
- Stainless steel mesh baskets
- Vertical lift mechanism with power cover

## Specifications – Model B252R

<b>Total solvent capacity:</b>	4.8 gallon
<b>Boil tank heat:</b>	1200 Watts
<b>Distillation rate based on HFC/HFE:</b>	5.5 gph
<b>Load capacity (steel):</b>	80 lbs./hr.
<b>Cooling:</b>	1/2" HP compressor
<b>Power requirements:</b>	208/230V, 60 Hz, 1 ph, 16 amps

### DIMENSIONS

<b>Ultrasonic tank:</b>	8" x 10" x 6"D
<b>Vapor zone:</b>	10.5" x 12.5" x 6"D
<b>Overall:</b>	22.4" x 26.2" x 41.7"H
<b>with automation:</b>	22.4" x 34.6" x 74"H



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